

RECEIVED
CENTRAL FAX CENTER

DEC 29 2005

AMENDMENTS TO THE CLAIMS

1.(currently amended): A load balancer comprising:

means [[for]] extracting identifying information specific to a mobile IP terminal from an arrival packet; and

means [[for]] determining a destination server to be connected based on the identifying information.

2.(currently amended): The load balancer as claimed in claim 1, wherein the identifying information comprises a home address included in a destination option header of the packet.

3.(currently amended): The load balancer as claimed in claim 1, wherein the identifying information is prescribed in predetermined lower bits of a source address of a packet utilizing a stateless address configuration method.

4.(currently amended): The load balancer as claimed in claim 1, wherein the identifying information comprises a security parameter index of the packet if encrypted.

5.(currently amended): A load balancer comprising:

means [[for]] requesting a home agent to notify a change of a care-of address when the care-of address of a terminal has changed upon an arrival of a first packet addressed to a server; and

means [[for]] determining a destination server to be connected by regarding the notified care-of address as identifying information.

6.(currently amended): A load balancer comprising:

means [[for]] requesting a terminal to notify a change of a care-of address when the care-of address of the terminal has changed upon an arrival of a first packet addressed to a server; and

means [[for]] determining a destination server to be connected by regarding the notified care-of address as identifying information.

7.(currently amended): The load balancer as claimed in claim 2, wherein when the extracting means extract a packet transmitted from a home link upon an arrival of the packet and the packet does not have the destination option header, the determining means determine the destination server by regarding a source address of the packet as the identifying information.

8.(currently amended): The load balancer as claimed in claim 1, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet.

9.(currently amended): The load balancer as claimed in claim 5, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby

determining the destination server using the source address of the arrival packet, and the table prepares an entry with a new care-of address as a retrieval key when the new care-of address has been notified, and stores, as storing data, an address of the destination server stored as data of an entry of an old care-of address.

10.(currently amended): The load balancer as claimed in claim 9, wherein the determining means store a lifetime in the data of the entry, periodically decrement the lifetime, update the lifetime every time a packet using the entry has arrived, and invalidate the entry upon expiration of the lifetime.

11.(currently amended): The load balancer as claimed in claim 1, wherein a home agent of a mobile IP terminal as a substitute for the server is made a destination to be connected.

12.(currently amended): A home agent comprising:
means managing binding cache information; and
~~which notifies~~ means notifying, according to a request from a load balancer, the binding cache information managed by the home agent itself to the load balancer periodically or when triggered in operation by a change of a care-of address of a mobile IP terminal.

13.(currently amended): A mobile IP terminal comprising:
means managing binding cache information; and
~~which notifies~~ means notifying, according to a request from a load balancer, the binding cache information managed by the mobile IP terminal itself to the load balancer

periodically or when triggered in operation by a change of a care-of address of the mobile IP terminal itself.

14.(currently amended): The load balancer as claimed in claim 7, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet.

15.(currently amended): The load balancer as claimed in claim 6, wherein the determining means are provided with a table for storing an address of the destination server having a source address associated with the care-of address as a retrieval key, thereby determining the destination server using the source address of the arrival packet, and the table prepares an entry with a new care-of address as a retrieval key when the new care-of address has been notified, and stores, as storing data, an address of the destination server stored as data of an entry of an old care-of address.

16.(currently amended): The load balancer as claimed in claim 15, wherein the determining means store a lifetime in the data of the entry, periodically decrement the lifetime, update the lifetime every time a packet using the entry has arrived, and invalidate the entry upon expiration of the lifetime.